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PTO/SB/05 (11-00)  
Approved for use through 10/31/2002. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b>  <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i>	Attorney Docket No.	ICC-102.2 (81175)
	First Inventor	Ashley J. Birkett
	Title	Immunogenic HBc Chimera Particles Having Enhanced Stability
	Express Mail Label No.	EL617901606US

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, D.C. 20231
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <i>(Submit an original, and a duplicate for fee processing)</i>	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program <i>(Appendix)</i>
2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.	8. Nucleotide and/or Amino Acid Sequence Submission <i>(if applicable, all necessary)</i>
3. <input checked="" type="checkbox"/> Specification <i>(Total Pages 205)</i> <i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings <i>(if filed)</i></li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul>	a. <input checked="" type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input checked="" type="checkbox"/> paper c. <input checked="" type="checkbox"/> Statements verifying identity of above copies
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) <i>(Total Sheets 10)</i>	<b>ACCOMPANYING APPLICATION PARTS</b>
5. Oath or Declaration <i>(Total Pages)</i> <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))  <i>(for continuation/divisional with Box 18 completed)</i> <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b>            Signed statement attached deleting inventor(s)            named in the prior application, see 37 CFR            1.63(d)(2) and 1.33(b).</li> </ul> </li> </ul>	9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <i>(when there is an assignee)</i> 11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> 12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <i>(Should be specifically itemized)</i> 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <i>(if foreign priority is claimed)</i> 16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	17. <input checked="" type="checkbox"/> Other: Unexecuted Declaration and Power of Attorney Certificate of Express Mail
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input checked="" type="checkbox"/> Continuation-in-part (CIP) of prior application No.: 60/225,843 and 60/226,867 Prior application information: Examiner <u>None</u> Group / Art Unit <u>None</u> For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts.	

<b>19. CORRESPONDENCE ADDRESS</b>					
<input type="checkbox"/> Customer Number or Bar Code Label			or <input checked="" type="checkbox"/> Correspondence address below (Insert Customer No. or Attach bar code label here)		
Name	Edward P. Gamson, Esq. WELSH & KATZ, LTD.				
Address	120 South Riverside Plaza 22nd Floor				
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Name (Print/Type)	Edward P. Gamson, Esq.	Registration No. (Attorney/Agent)	29,381
Signature	<i>[Signature]</i>	Date	8/15/01

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**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Ashley J. Birkett

Docket No.

ICC-102.2 (81175)

Serial No.

Unknown

Filing Date

August 15, 2001

Examiner

Unknown

Group Art Unit

Unknown

Invention: IMMUNOGENIC HBc CHIMER PARTICLES HAVING ENHANCED STABILITY


I hereby certify that this Transmittal Letter, Fee Sheet, Patent Application and it's stated enclosures  
(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under  
37 CFR 1.10 in an envelope addressed to: The Commissioner of Patents and Trademarks, Washington, D.C.

20231-0001 on August 15, 2001  
(Date)

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(Signature of Person Mailing Correspondence)EL617901606US

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# FEE TRANSMITTAL for FY 2001

*Patent fees are subject to annual revision.*

## Complete if Known

Application Number	Unknown
Filing Date	August 15, 2001
First Named Inventor	Ashley J. Birkett
Examiner Name	Unknown
Group Art Unit	Unknown
Attorney Docket No.	ICC-102.2 (81175)

**TOTAL AMOUNT OF PAYMENT** **\$2,660.00**

### METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 23-0920

Deposit Account Name Welsh & Katz, Ltd.

- ☒ Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR § 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid
101 710	201 355	Utility filing fee	<span style="border: 1px solid black; padding: 2px;">710.00</span>
106 320	206 160	Design filing fee	<span style="border: 1px solid black; padding: 2px;"></span>
107 490	207 245	Plant filing fee	<span style="border: 1px solid black; padding: 2px;"></span>
108 710	208 355	Reissue filing fee	<span style="border: 1px solid black; padding: 2px;"></span>
114 150	214 75	Provisional filing fee	<span style="border: 1px solid black; padding: 2px;"></span>
<b>SUBTOTAL (1)</b>			<span style="border: 1px solid black; padding: 2px;"><b>\$710.00</b></span>

#### 2. EXTRA CLAIM FEES

Extra Claims	Fee from below	Fee Paid
Total Claims <span style="border: 1px solid black; padding: 2px;">116</span> - 20** = <span style="border: 1px solid black; padding: 2px;">95</span>	X <span style="border: 1px solid black; padding: 2px;">18.00</span>	= <span style="border: 1px solid black; padding: 2px;">1,710.00</span>
Independent Claims <span style="border: 1px solid black; padding: 2px;">6</span> - 3** = <span style="border: 1px solid black; padding: 2px;">3</span>	X <span style="border: 1px solid black; padding: 2px;">80.00</span>	= <span style="border: 1px solid black; padding: 2px;">240.00</span>
Multiple Dependent		= <span style="border: 1px solid black; padding: 2px;"></span>

Large Entity Fee Code	Small Entity Fee Code	Fee Description
103 18	203 9	Claims in excess of 20
102 80	202 40	Independent claims in excess of 3
104 270	204 135	Multiple dependent claim, if not paid
109 80	209 40	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** **\$1,950.00**

\*\*or number previously paid, if greater; For Reissues, see above

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	<span style="border: 1px solid black; padding: 2px;"></span>
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	<span style="border: 1px solid black; padding: 2px;"></span>
139 130	139 130	Non - English specification	<span style="border: 1px solid black; padding: 2px;"></span>
147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination	<span style="border: 1px solid black; padding: 2px;"></span>
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	<span style="border: 1px solid black; padding: 2px;"></span>
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	<span style="border: 1px solid black; padding: 2px;"></span>
115 110	215 55	Extension for reply within first month	<span style="border: 1px solid black; padding: 2px;"></span>
116 390	216 195	Extension for reply within second month	<span style="border: 1px solid black; padding: 2px;"></span>
117 890	217 445	Extension for reply within third month	<span style="border: 1px solid black; padding: 2px;"></span>
118 1,390	218 695	Extension for reply within fourth month	<span style="border: 1px solid black; padding: 2px;"></span>
128 1,890	228 945	Extension for reply within fifth month	<span style="border: 1px solid black; padding: 2px;"></span>
119 310	219 155	Notice of Appeal	<span style="border: 1px solid black; padding: 2px;"></span>
120 310	220 155	Filing a brief in support of an appeal	<span style="border: 1px solid black; padding: 2px;"></span>
121 270	221 135	Request for oral hearing	<span style="border: 1px solid black; padding: 2px;"></span>
138 1,510	138 1,510	Petition to institute a public use proceeding	<span style="border: 1px solid black; padding: 2px;"></span>
140 110	240 55	Petition to revive - unavoidable	<span style="border: 1px solid black; padding: 2px;"></span>
141 1,240	241 620	Petition to revive - unintentional	<span style="border: 1px solid black; padding: 2px;"></span>
142 1,240	242 620	Utility issue fee (or reissue)	<span style="border: 1px solid black; padding: 2px;"></span>
143 440	243 220	Design issue fee	<span style="border: 1px solid black; padding: 2px;"></span>
144 600	244 300	Plant issue fee	<span style="border: 1px solid black; padding: 2px;"></span>
122 130	122 130	Petitions to the Commissioner	<span style="border: 1px solid black; padding: 2px;"></span>
123 50	123 50	Processing fee under 37 CFR § 1.17(q)	<span style="border: 1px solid black; padding: 2px;"></span>
126 180	126 180	Submission of Information Disclosure Statement	<span style="border: 1px solid black; padding: 2px;"></span>
581 40	581 40	Recording each patent assignment per property (times number of properties)	<span style="border: 1px solid black; padding: 2px;"></span>
146 710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))	<span style="border: 1px solid black; padding: 2px;"></span>
149 710	249 355	For each additional invention to be examined (37 CFR § 1.129(b))	<span style="border: 1px solid black; padding: 2px;"></span>
179 710	279 355	Request for Continued Examination (RCE)	<span style="border: 1px solid black; padding: 2px;"></span>
169 900	169 900	Request for expedited examination of a design application	<span style="border: 1px solid black; padding: 2px;"></span>
Other fee (specify) _____			<span style="border: 1px solid black; padding: 2px;"></span>

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

### SUBMITTED BY

Name (Print/Type)	Edward P. Gamson, Esq.	Registration No. (Attorney/Agent)	29,381	Telephone	(312) 655-1500
Signature		Date	8/15/01		

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